

Human Papillomavirus (HPV) Vaccine VAC-FACT



Did you know – HPV vaccine may prevent 70% of cervical cancers in the U.S.?

Human Papillomavirus (HPV)	<ul style="list-style-type: none">HPV causes almost all cervical cancer. Types 16 & 18 cause ~70% of cervical cancers and types 6 & 11 cause ~ 90% of genital warts.HPV is the most common sexually transmitted infection in the U.S. ~20 million people are currently infected and ~6.2 million new infections occur annually.In 2007 an estimated 11,100 new cases of cervical cancer were diagnosed and ~3,700 women died from cervical cancer.					
HPV Vaccine	<ul style="list-style-type: none">Quadrivalent (types 6,11,16,18) capsid protein vaccine made by recombinant DNA technologyBrand name GARDASIL®, manufactured by Merck.					
Components	Live virus:	No	Thimerosal:	No	Antibiotics:	No
Indication	<ul style="list-style-type: none">All females age 9 years thru 26 years, regardless of sexual activity. All 4 HPV types found in the vaccine may not have been acquired, so the vaccine may still be effective.Best immunogenicity is achieved at younger age of vaccination.HPV vaccination provides no therapeutic benefit for existing HPV infection or cervical lesions.Studies of vaccine use in males are on-going.					
Administration	Three intramuscular injections at 0, 2, 6 mos		Minimum Spacing Between Doses			
			Doses 1 & 2	Doses 2 & 3	Doses 1 & 3	
			4 weeks	12 weeks	24 weeks	
Safety	Most common side effect: Injection site soreness		Serious side effects: Very rare		<ul style="list-style-type: none">On-going monitoring by CDC, FDA & MerckVAERS reporting (♦)	
	Syncope has been reported. Consider monitoring recipients for 15-20 minutes after vaccination					
Efficacy	100% for: <ul style="list-style-type: none">HPV types 16 & 18 related cervical intraepithelial neoplasia (CIN) 2&3 or adenocarcinoma in situ (AIS)			99% for: <ul style="list-style-type: none">Genital warts related to HPV types 6 & 11		
Pregnancy	<ul style="list-style-type: none">Ask if pregnant. Defer any dose(s) until conclusion of pregnancy. (♦)To report vaccination during pregnancy call Merck at 1-800-986-8999.					
Pre-screen for HPV infection?	Not recommended		Required for school?		No	
Routine pap tests needed?	<ul style="list-style-type: none">YES - Vaccine recipients should continue to receive routine pap tests. 30% of cervical dysplasias are from non-vaccine types of HPV.					
Availability	<p>Age 9 yrs thru 18 yrs: as of 1/1/09 in Alaska, state-supplied HPV vaccine is available only for VFC eligible recipients. Details described in Epidemiology Bulletin 11/3/08 “Alaska to Initiate Federal Vaccines for Children (VFC) Program for Human Papillomavirus and Meningococcal Vaccines” http://www.epi.alaska.gov/bulletins/docs/b2008_21.pdf</p> <p>Age 19 yrs and 20 yrs: May be covered by private insurance or Medicaid for eligible women.</p> <p>Age 19 yrs thru 26 yrs: May be covered by private insurance or Merck’s Vaccine Patient Assistance Program for income eligible women http://www.merck.com/merckhelps/vaccines/home.html</p>					

(♦) For more information:

- MMWR 3/23/07 - "Quadrivalent Human Papillomavirus Vaccine" <http://www.cdc.gov/mmwr/PDF/rr/rr5602.pdf>
- Alaska Immunization Helpline at 888-430-4321 or 269-8088 in Anchorage

Vaccinate Alaska Coalition (VAC) seeks to protect the health of all Alaskans by decreasing vaccine-preventable disease through positive immunization promotion campaigns, support of local immunization coalitions, and increased private and public provider participation in immunization activities. **Vaccinate Alaska Coalition website:** www.vaccinate.alaska.gov